The following listing of claims will replace all prior versions, and listings, of claims in

the application:

Listing of Claims:

Claim 1 (currently amended): A composition for use in powder metallurgy comprising a mixture

of a metal powder, a polar powder graphite powder, and a solid lubricant system distributed

throughout said mixture, at least a portion of said solid lubricant system converting to a liquid

phase upon application of pressure to said composition.

Claim 2 (canceled)

Claim 3 (original): A composition as set forth in claim 1 comprising from about 0.10 to about

0.50 percent by weight of said lubricant system.

Claim 4 (canceled)

Claim 5 (original): A composition as set forth in claim 1 wherein said lubricant system

comprises a fatty acid material and a guanidine material.

Claim 6 (original): A composition as set forth in claim 1 wherein said lubricant system

comprises a guanidine material.

Claim 7 (original): A composition as set forth in claim 1 wherein said lubricant system

comprises a synthetic wax and a fatty acid ester.

Claim 8 (original): A composition as set forth in claim 1 wherein said lubricant system includes

an amide wax.

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Claim 9 (currently amended): A composition as set forth in claim 3 5 wherein said fatty acid material comprises stearic acid.

Claim 10 (original): A composition as set forth in claim 6 wherein said guanidine material comprises guanidine stearate.

Claim 11 (currently amended): A composition as set forth in claim 6 wherein said guanidine material comprises guanidine ethyl-hexanoate.

Claim 12 (currently amended): A composition as set forth in claim 6 wherein said guanidine material comprises a mixture of guanidine stearate and guanidine ethyl-hexonate ethylhexanoate.

Claim 13 (currently amended): A solid lubricant system for use in the production of metal powder compacted parts, said solid lubricant system including a polar powder graphite powder, said lubricant system being capable of forming a liquid phase upon application of pressure.

Claim 14 (currently amended): A solid lubricant system as set forth in claim 13 wherein said lubricant system is attracted to said graphite powder polar powder.

Claim 15 (canceled)

Claim 16 (currently amended): A solid lubricant system as set forth in claim 13 that displays a viscosity of from about 1000 to about 6000 poise at a shear rate of 1000⁻¹ 1000/second.

Claim 17 (currently amended): A method of forming a metal part with improved density comprising the steps of: (i) providing a composition comprising a mixture of metal powder, a polar powder graphite powder, and a solid lubricant system; and (ii) placing said composition in a mold having a cavity formed therein formed by mold walls; and (iii) applying pressure to said composition contained within said cavity to form a green part and convert at least a portion of said solid lubricant system to a liquid lubricant; and (iv) removing said green part from said

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mold; and (v) sintering said green part and forming a finished part.

Claim 18 (currently amended): A method as set forth in claim 17 wherein during said step (iii) said graphite powder polar powder migrates to any pores within said green part.

Claim 19 (currently amended): A method as set forth in claim 17 wherein during said step (iii) said graphite powder polar powder-migrates to the mold wall.

Claim 20 (original): A method as set forth in claim 18 wherein during said step (v) said graphite powder polar powder promotes liquid phase sintering at said pores.

Claim 21 (canceled)

Claim 22 (currently amended): A master mix for use in powder metallurgy comprising metal powder, a polar powder graphite powder, and at least 1% by weight of a lubricant system, said lubricant system being capable of converting at least in part to a liquid phase upon subsequent let down of said master mix and pressing of said let down master mix.